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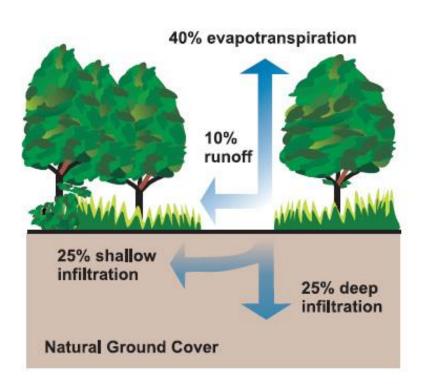
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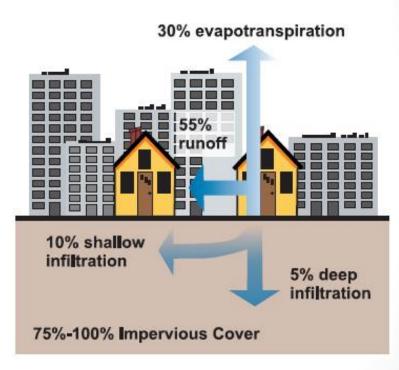
Western Lake Erie Basin





Impervious Surface = Runoff

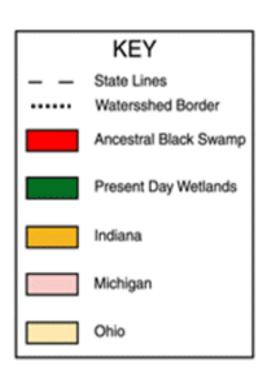






Changing Landscape





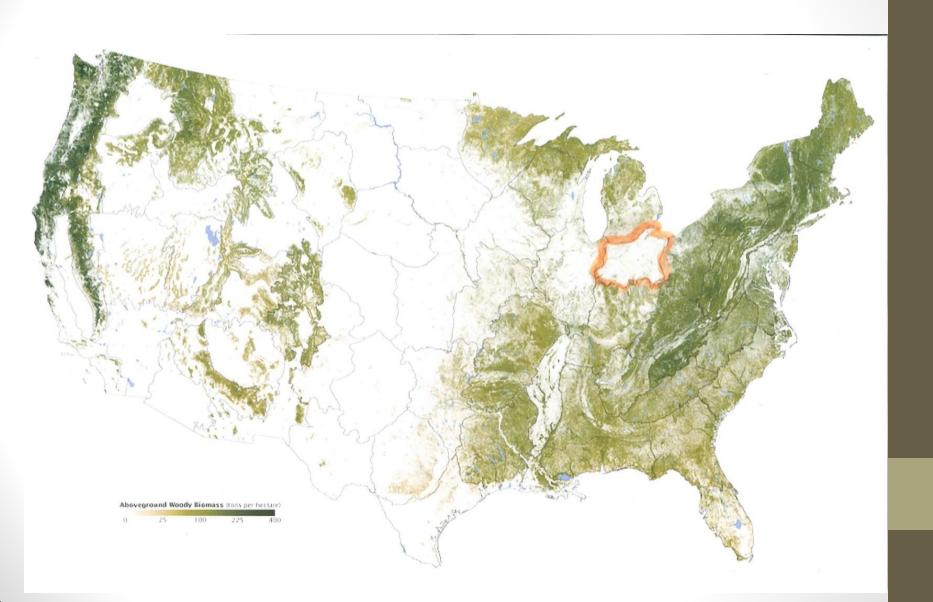


Great Black Swamp

- Once covered an area the size of Connecticut
 - 120 miles long, 40 miles wide
 - 3.1 million acres
- Western Lake Erie Basin (WLEB)
 - 4.9 Million Acres, 6000 Square Miles
- Current Land Use
 - 78% Agriculture (Upper Maumee)
- Wetland Functions to Filter Pollutants, Infiltrate Water
- Swamp is a Forested Wetland
 - Now drained & deforested!!



Drained and Deforested



Lake Erie in the News...

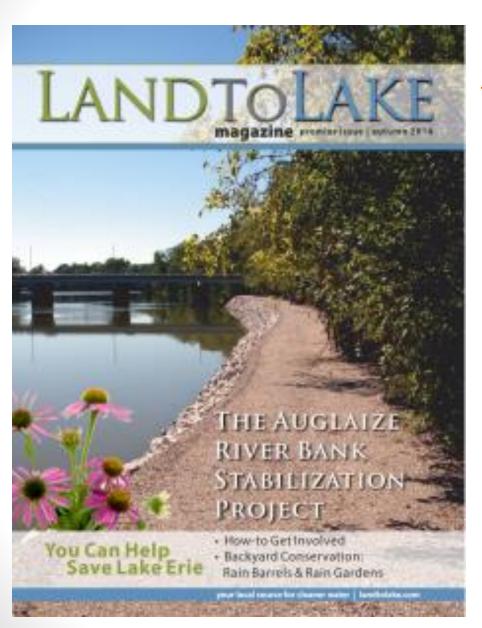


Watershed Campaign

- Environmental Education Fund
 - Awareness
 - Billboards/Magazine
 - Public Movies/Social Media
 - Involvement
 - Canoe Trips/Stream Monitoring
 - Workshops for Rain Gardens & Rain Barrels
 - Storm Drain ID







Website - Magazine www.landtolake.com

Facebook Page
Land to Lake
"Community"



Explore Rain Gardens



conservation begins in your backyard



Explore Safe Lawn Care



be wise don't over-fertilize



Explore Your Watershed



the adventure begins in your backyard



Watershed Campaign

Slow It Down... Spread it Out... Soak It In...



Rain Garden Examples









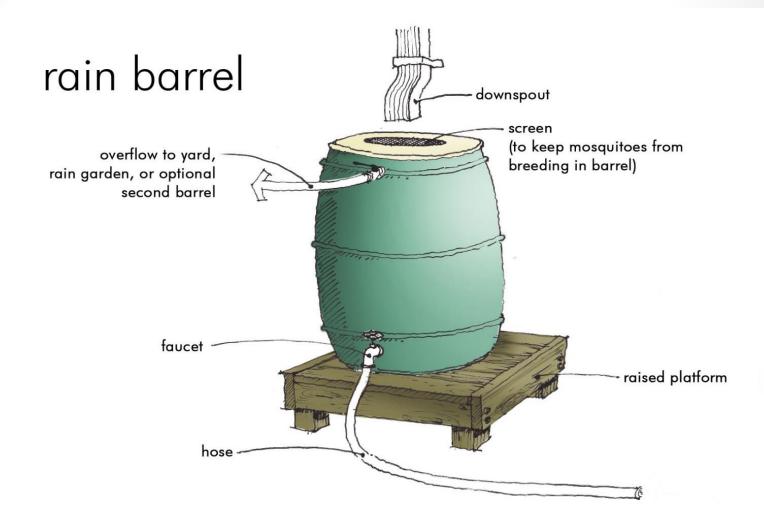
Native Plants

- Deep roots open pathways in soil for infiltration
- Adapted to soil and water conditions in Ohio without fertilizer!
- Provide Food & Habitat for Pollinators, Beneficials











How can rain barrels & rain gardens make a difference?

| Best Management Practice | Estimated Pollution Reduction per BMP | | |
|----------------------------|---------------------------------------|-------------------|-----------------|
| | <u>Sediment</u> | <u>Phosphorus</u> | <u>Nitrogen</u> |
| Rain Barrels | 0.2 ton/yr | 0.15 lbs/yr | 0.81 lbs/yr |
| Rain Gardens (Residential) | 0.18 ton/yr | 0.1 lbs/yr | 2 lbs/yr |
| Rain Gardens (Commercial) | 4.63 ton/yr | 6 lbs/yr | 42 lbs/yr |



Cost Share

100 Rain Barrels- 50% paid by grant, was \$75
 now \$35

80 Rain Garden Kits50% paid by grant; was
\$130, now \$30

3 Public Rain Gardens – cost share with: Hicksville, Sherwood, Defiance





Display with Pride!





LANDTO LAKE your local source for cleaner water